

Title (en)

ALUMINUM CHELATE-BASED LATENT CURING AGENT

Title (de)

LATENTES HÄRTUNGSMITTEL AUF ALUMINIUMCHELATBASIS

Title (fr)

AGENT DE DURCISSEMENT LATENT À BASE DE CHÉLATE D'ALUMINIUM

Publication

**EP 2586817 B1 20200325 (EN)**

Application

**EP 11800642 A 20110617**

Priority

- JP 2010146468 A 20100628
- JP 2011063930 W 20110617

Abstract (en)

[origin: US2012119156A1] A novel aluminum chelate latent curing agent that can cure a glycidyl ether epoxy compound at a lower temperature and more quickly than an aluminum chelate latent curing agent produced by emulsification and interfacial polymerization of a polyfunctional isocyanate in the presence of both a radical polymerizable monomer, such as divinyl benzene, and a radical polymerization initiator, is micro-encapsulated in a core-shell form, wherein an aluminum chelate curing agent and a cationic polymerizable compound are included in a capsule formed from an interfacial polymerization product of a polyfunctional isocyanate.

IPC 8 full level

**C08G 18/02** (2006.01); **C08G 59/18** (2006.01); **C08G 59/70** (2006.01); **C08G 65/18** (2006.01); **C08G 85/00** (2006.01); **C08K 5/07** (2006.01); **C08K 5/5419** (2006.01); **C08L 63/00** (2006.01); **C09J 7/00** (2018.01); **C09J 9/02** (2006.01); **C09J 11/06** (2006.01); **C09J 163/00** (2006.01); **C09J 163/02** (2006.01); **C09J 171/00** (2006.01); **C09J 183/04** (2006.01)

CPC (source: EP KR US)

**C08G 18/0866** (2013.01 - EP US); **C08G 18/6212** (2013.01 - EP US); **C08G 18/8029** (2013.01 - EP US); **C08G 59/188** (2013.01 - EP); **C08G 59/40** (2013.01 - KR); **C08G 59/70** (2013.01 - EP KR US); **C08G 65/18** (2013.01 - EP US); **C08K 9/10** (2013.01 - KR); **C08L 63/00** (2013.01 - EP KR US); **C09J 163/00** (2013.01 - EP US); **C08K 5/0091** (2013.01 - EP US); **C08K 9/10** (2013.01 - EP US)

Cited by

TWI676631B

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 2012119156 A1 20120517**; **US 8835572 B2 20140916**; CN 102471495 A 20120523; CN 102471495 B 20131023; EP 2586817 A1 20130501; EP 2586817 A4 20171018; EP 2586817 B1 20200325; HK 1166510 A1 20121102; JP 2010209359 A 20100924; JP 5365811 B2 20131211; KR 101354875 B1 20140122; KR 20120040154 A 20120426; TW 201202293 A 20120116; TW I513727 B 20151221; WO 2012002177 A1 20120105

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**US 201113320996 A 20110617**; CN 201180002675 A 20110617; EP 11800642 A 20110617; HK 12107150 A 20120720; JP 2010146468 A 20100628; JP 2011063930 W 20110617; KR 20117030676 A 20110617; TW 100122171 A 20110624